

What is claimed is:

1. A xenogeneic, substantially non-immunogenic collagen-containing material for injection into a human.
2. The collagen-containing material according to claim 1 wherein the material has substantially no surface carbohydrate moieties which are susceptible to glycosidase digestion.
3. The collagen-containing material according to claim 1 in a form of liquid, colloid, semi-solid suspended particulate, gel or paste and combinations thereof.
4. The collagen-containing material according to claim 3 wherein the material has substantially no surface carbohydrate moieties which are susceptible to glycosidase digestion.
5. The collagen-containing material of according to claim 3 wherein the collagen-containing material includes extracellular components and substantially only dead cells, the extracellular components and dead cells having substantially no surface α -galactosyl moieties and having capping molecules linked to at least a portion of surface carbohydrate moieties.
6. The collagen-containing material according to claim 3 wherein the collagen-containing material includes extracellular components and substantially only dead cells, the extracellular components having reduced proteoglycans.
7. The collagen-containing material according to claim 3 wherein said collagen-containing material is sterilized pursuant to e-beam ionization irradiation.
8. The collagen-containing material according to claim 7, wherein said sterilization is with a radiation dose approximately equal to 17.8 kGy.
9. The collagen-containing material according to claim 1 irradiated with gamma radiation in the amount of 0.2 MegaRad to about 3 MegaRad.
10. A method of preparing a collagen-containing material for injection into a human, comprising:
 - A. removing at least a portion of a collagen-containing material from a non-human animal;
 - B. subjecting the collagen-containing material to a cellular disruption treatment;
 - C. digesting the collagen-containing material with a glycosidase to remove first

surface carbohydrate moieties; and

D. establishing said collagen-containing material in a form of a liquid, colloid, semi-solid, suspended particulate, gel, or paste, and combinations thereof.

11. The method according to claim 10 comprising the further step of sterilizing said material.

12. The method according to claim 11 wherein said sterilization step includes irradiating said collagen-containing material with e-beam ionizing radiation.

13. The method according to claim 12 wherein said radiation is a dose approximately equal to 17.8 KGy.

14. The method according to claim 11 wherein said sterilization step includes irradiation of said collagen-containing material with gamma radiation in the amount 0.2 MegaRad to about 3 MegaRad.

15. The method according to claim 10 further comprising the steps of:
following glycosidase digestion, treating of carbohydrate moieties of the collagen containing material with capping molecules.

16. The method according to claim 10 wherein said cellular disruption treatment is selected from the group consisting of exposure to ultraviolet radiation, immersion in alcohol and/or freeze/thaw cycling.

17. A method of preparing a collagen-containing material for injection into a human, comprising:

A. removing at least a portion of a collagen-containing material from a non-human animal;

B. subjecting the collagen-containing material to a cellular disruption treatment;

C. treating said collagen-containing material with proteoglycan depleting factors to establish said collagen-containing material as having reduced proteoglycans; and

D. establishing said collagen-containing material in a form of a liquid, colloid, semi-solid, suspended particulate, gel, or paste, and combinations thereof.

18. The method according to claim 17 comprising the further step of sterilizing said material.

19. The method according to claim 18 wherein said sterilization step includes irradiating said

collagen-containing material with e-beam ionizing radiation.

20. The method according to claim 19 wherein said radiation is a dose approximately equal to 17.8 KGy.

21. The method according to claim 18 wherein said sterilization step includes irradiation of said collagen-containing material with gamma radiation in the amount 0.2 MegaRad to about 3 MegaRad.

22. The method according to claim 17 further comprising the steps of:
following said proteoglycan-depleting factor treatment, treating of carbohydrate moieties of the collagen containing material with capping molecules.

23. The method according to claim 17 wherein said cellular disruption treatment is selected from the group consisting of exposure to ultraviolet radiation, immersion in alcohol and/or freeze/thaw cycling.